



BUILDING DATA

AREA	NO. SPACE	NET S.F.
STORAGE AREAS		
1 DRY STORAGE		30,015
2 HARDY VEGETABLE & FRUIT COOLER	40-45°F	2,613
3 SENSITIVE VEGETABLE & FRUIT COOLER	32-34°F	2,945
4 ONIONS & POTATOES	55-60°F	4,270
5 PERISHABLE COOLER	32-35°F	9,073
6 FREEZER	-10°F	13,300
ADMINISTRATIVE AREA		
7 VENDING		27
8 BREAK/TRAINING		202
9 CONFERENCE ROOM		298
10 MEN-TLTS & LOCKERS		236
11 WOMEN-TLTS & LOCKERS		236
12 TISO		110
13 GENERAL ADMIN (12-18)		2,114
14 STORAGE		147
WAREHOUSE OFFICE AREA		
15 WHSE OFFICE (4)		507
16 DRIVER WAITING		81
17 INSPECTION ROOM		160
18 VETERINARY OFFICE		99
SUPPORT		
19 CART STORAGE		
20 UNIT PILE		
21 MHE STORAGE, BATTERY CHARGING		
22 STAGING, HOLDING, VET INSPECTION		
a. DRY DOCK		
b. CHILLED DOCK	45°F	
23 SALVAGE AREA (SEE SHT 2 NARRATIVE)		14,220
AND ACTIVITIES		
24 EQUIPMENT MEZZANINE		1,387
25 MAXI-MART AISLE	45°F	2,170
26 JANITOR CLOSET (2)		68
27 SPRINKLER VALVE ROOM		16
28 SERVICE AISLE (COOLERS)		1,860
WALL THICKNESS, ETC.,		3,365
GROSS SQUARE FEET (TOTAL)		89,519

TROOP CAPACITY

BARRACK CAPACITY	PERSONNEL
25,000	ADMINISTRATION
CASH SALES (15%) 3,563	TISO 1
HOSPITALS 800	ADMIN. STAFF (12-18) 18
RESERVES (WEEKEND) 5,000	WAREHOUSE
RESERVES (14 DAY) 5,000	OFFICE 3
T-RATIONS 10,000	WAREHOUSEMEN (WITH MINI/MAXI) 16
MRE'S 10,000	
B-RATIONS -0-	VETERINARY STAFF 3

* .15 OF 70% OR 95% BARRACK CAPACITY

STORAGE CAPACITIES

STORAGE AREA	PALLETS	FLOW LANES
DRY - A-RATIONS	2,163	68
DRY - MRE & T-RATIONS	2,138	N/A
FREEZER	1,370	320
COOLER - PERISHABLE	940	120
COOLER - SENSITIVE V & F	184	60
COOLER - HARDY V & F	244	75
ONION & POTATOES	288	0

MATERIAL HANDLING EQUIPMENT

FOUR WHEEL CARTS	PALLET RACK
2	SINGLE DEEP 718
3000 lb CAPACITY	DOUBLE DEEP 4,960
COUNTERBALANCED FORKLIFT	
3000 lb CAPACITY/15'-6" HEIGHT	
DOUBLE DEEP FORKLIFT	
3000 lb CAPACITY/20'-6" HEIGHT	DRIVE-IN
STOCK SELECTOR	2 DEEP 1,068
3000 lb CAPACITY/20'-0" HEIGHT	3 DEEP 765
	4 DEEP 0
	CASE FLOW RACK
	20 FACES 540
	15 FACES 180

** TO BE DETERMINED BY TISA PERSONNEL BASED ON THE ISSUE SCHEDULE AND EXTENT OF MINI AND/OR MAXI MART USE.

ALL MATERIAL HANDLING EQUIPMENT SHALL BE PROVIDED WITH A COLD PACKAGE.

FIRE PROTECTION

OCCUPANCY: UNIFORM BUILDING CODE - TABLE NO. 5-A
 B2 - OFFICE AREAS
 B4 - STORAGE AREAS

NFPA 101, CLASSIFICATION OF HAZARD OF CONTENTS:
 STORAGE-ORDINARY HAZARD CONTENTS

NFPA 13, CLASSIFICATION OF OCCUPANCY
 ORDINARY HAZARD (GROUP 2)

NFPA 231C, CLASSIFICATION OF STORAGE
 CLASS II - COMMODITY CLASSIFICATION (COLD STORAGE)
 CLASS III - COMMODITY CLASSIFICATION (DRY STORAGE)
 CONVENTIONAL WOOD PALLETS
 OPEN STORAGE RACK SYSTEM & CASE FLOW LANES
 NONENCAPSULATED PACKAGING
 STORAGE HEIGHT - VARIES, SEE SHEET NO. 8
 STORAGE RACK CONFIGURATION - SEE SHEET NOS. 4, 5, 6 & 8

TYPE OF CONSTRUCTION: MIL-HDBK-1008, TABLE 2-1 (ADAPTED FROM UBC)
 11N NONCOMBUSTIBLE

OCCUPANT LOADS:
 VARIES BY FACILITY SIZE AND SPECIFIC INSTALLATION REQUIREMENTS
 SEE PERSONNEL CATEGORY OF BUILDING DATA-SHEETS 4, 5 & 6

TRAVEL DISTANCE TO EXITS:
 400 FEET (MAX) UBC-SEC, 3303 (d)
 400 FEET (MAX) NFPA 101-CHAPTER 29, STORAGE OCCUPANCIES

AREA LIMITATIONS:
 FIRE AREAS NOT EXCEEDING 40,000 SQUARE FEET SHALL BE PROVIDED IN ACCORDANCE WITH MIL-HDBK-1008 REQUIREMENTS FOR GENERAL WAREHOUSES. FIRE AREAS IN WAREHOUSES SHALL BE SEPARATED BY WALLS WHICH HAVE 4-HOUR FIRE RESISTANCE RATINGS. THE FIREWALLS MAY BE ELIMINATED UP TO 120,000 SQUARE FEET IF THE FIRE PROTECTION AUTHORITY OF THE MACOM DETERMINES THE FOLLOWING CONDITIONS ARE MET:
 - THE INCREASED SIZE OF THE FIRE AREA IS REQUIRED FOR EFFICIENT OPERATION.
 - POSSIBLE ADDITIONAL LOSS DUE TO FIRE IS RECOGNIZED AND ACCEPTABLE.
 - AUTOMATIC SPRINKLER AND ALARM SYSTEMS ARE INCLUDED AS DESCRIBED IN THE ARMY STANDARD DESIGN.
 FOR FIRE AREAS GREATER THAN 120,000 SQUARE FEET, A WAIVER IS REQUIRED FROM CEEC-CD. THESE CONDITIONS ARE REQUIRED TO BE ADDRESSED IN THE DD FORM 1391, PARAGRAPHS DI OR DS.

SITE FIRE PROTECTION
 THE REQUIRED FIRE FLOW TO THE FACILITY SHALL BE DELIVERED FROM IMMEDIATE GROUPINGS OF FIRE HYDRANTS WITHIN 300 FEET OF THE FACILITY PLUS WATER REQUIREMENTS FOR INTEGRAL SUPPORT OF THE SUPPRESSION SYSTEM IN ACCORDANCE WITH TM 5-813-6, WATER SUPPLY FOR FIRE PROTECTION.

SEPARATION OF STRUCTURES
 MIL-HDBK-1008, CHAPTER 2, SECTION 2.3
 ULTIMATE SEPARATION VARIES BASED ON ADJACENT EXISTING BUILDINGS, EXPOSURE CLASSIFICATION, ETC., SEE TABLES 2-4 AND 2-5
 UNIFORM BUILDING CODE, SEC. 506-3.1(b)
 UNLIMITED AREA INCREASE REQUIRES FACILITY TO BE ENTIRELY SURROUNDED AND ADJOINED BY PUBLIC SPACE, STREETS OR YARDS NOT LESS THAN 60 FEET IN WIDTH.

SUPPRESSION SYSTEM
 THE SUPPRESSION SYSTEM SHALL CONSIST OF A FULLY SPRINKLERED BUILDING AS REQUIRED BY MIL-HDBK-1008 CHAPTER 6, PARAGRAPH 6.1.3. A HYDRAULICALLY DESIGNED WET PIPE FIRE SPRINKLER SYSTEM SHALL BE PROVIDED IN THE ADMINISTRATIVE, WAREHOUSE OFFICE, SUPPORT AND DRY STORAGE AREAS IN ACCORDANCE WITH NFPA 13 AND MIL-HDBK-1008 CHAPTERS 5 & 6. THE COOLERS, FREEZER AND CHILLED DOCK SHALL BE PROTECTED WITH A PRE-ACTION TYPE SYSTEM WHERE WATER FLOW IS CONTROLLED BY AN ELECTRICALLY OR PNEUMATICALLY OPERATED DRY PIPE VALVE. IN ADDITION TO THE CEILING SYSTEM IN ALL STORAGE AREAS, IN RACK SPRINKLERS SHALL BE PROVIDED FOR THE STORAGE RACKS, EITHER WET OR PRE-ACTION TYPE AS STATED ABOVE. DENSITY REQUIREMENTS AND RACK SPRINKLER DESIGN SHALL BE IN ACCORDANCE WITH NFPA 231-C "RACK STORAGE OF MATERIALS".

NOTE: THESE ITEMS ARE NOT INTENDED TO BE ALL INCLUSIVE. A COMPLETE CRITERIA INVESTIGATION SHALL BE DONE DURING SITE ADAPT DESIGN. ALL CLASSIFICATIONS SHALL BE VERIFIED WITH THE AUTHORITY HAVING JURISDICTION.

DESIGNED BY W/A & A	DEPARTMENT OF THE ARMY FACILITIES STANDARDIZATION PROGRAM DEFINITIVE DESIGN
DRAWN BY CADD	TISA TROOP ISSUE SUBSISTENCE ACTIVITY COLD/DRY STORAGE FACILITY
CHECKED BY PM	SCALE: AS SHOWN
SUBMITTED BY MK	TO ACCOMPANY SPECIFICATION NO. PROJECT NO. DEF 432-11-01
DATE: OCTOBER 1988	SHEET NO. 6